Approved For Release 2002/08/20: CIA-RI	DP78B04747A002700030049-7
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	20 July 1964	STAT STAT
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· ·	Subject: Checkout of Counters  Enclosures: (1) Three (3) copies Specifications Counters  dated July 20, 1964	STAT STAT STAT STAT STAT STAT STAT
	(2) Three (3) copies In-Plant Acceptance Te Procedure for "X" - "Y" Stereo Chip Comparator dated July	
<b>→</b>	did not conduct a full check on the electronic system supplied However, we did deter the compatibility of the counters with signals from the Interferometer. A set of specifications been made, which are attached herewith, enclosure (1). The preset zeroing and reversing switches provided with the equipment have been found to operate properly.	mine STAT
	It was noted that if the transmission button is prethe last count is locked into its last reading. Conseque if there is any change in position of the Interferometer, pulses are produced which are not counted. These pulses would actuate the alarm light and alarm buzzer. It was found that it is necessary to rezero the machine in order to stany measurements, when this condition occurs.	ntly, then
·AT	The method of operation of the counters described may produce operational problems, should there be any vib or motion of carriages while transmission is being perform a normal installation where some vibration is a possibe the present electronic system is inadequate. The following recommendation is hereby made, which was previously recommended toat the beginning of this project.	ration med. ility,

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A memory circuit may be provided so that the last number is stored as soon as the transmission button is depressed. Consequently, the operator may move his carriages to the second desired position during the transmission of information. If any vibrations would occur then the information being displayed on the counter will change accordingly, without affecting the stored information. In this manner, the counter will always show the accurate position of the microscope relative to the chip being viewed. No loss of accuracy can occur since counting is always being performed independent of transmission.

This last recommendation is not mandatory, however, it would certainly enhance the system operation.

Very truly yours,	
	STAT